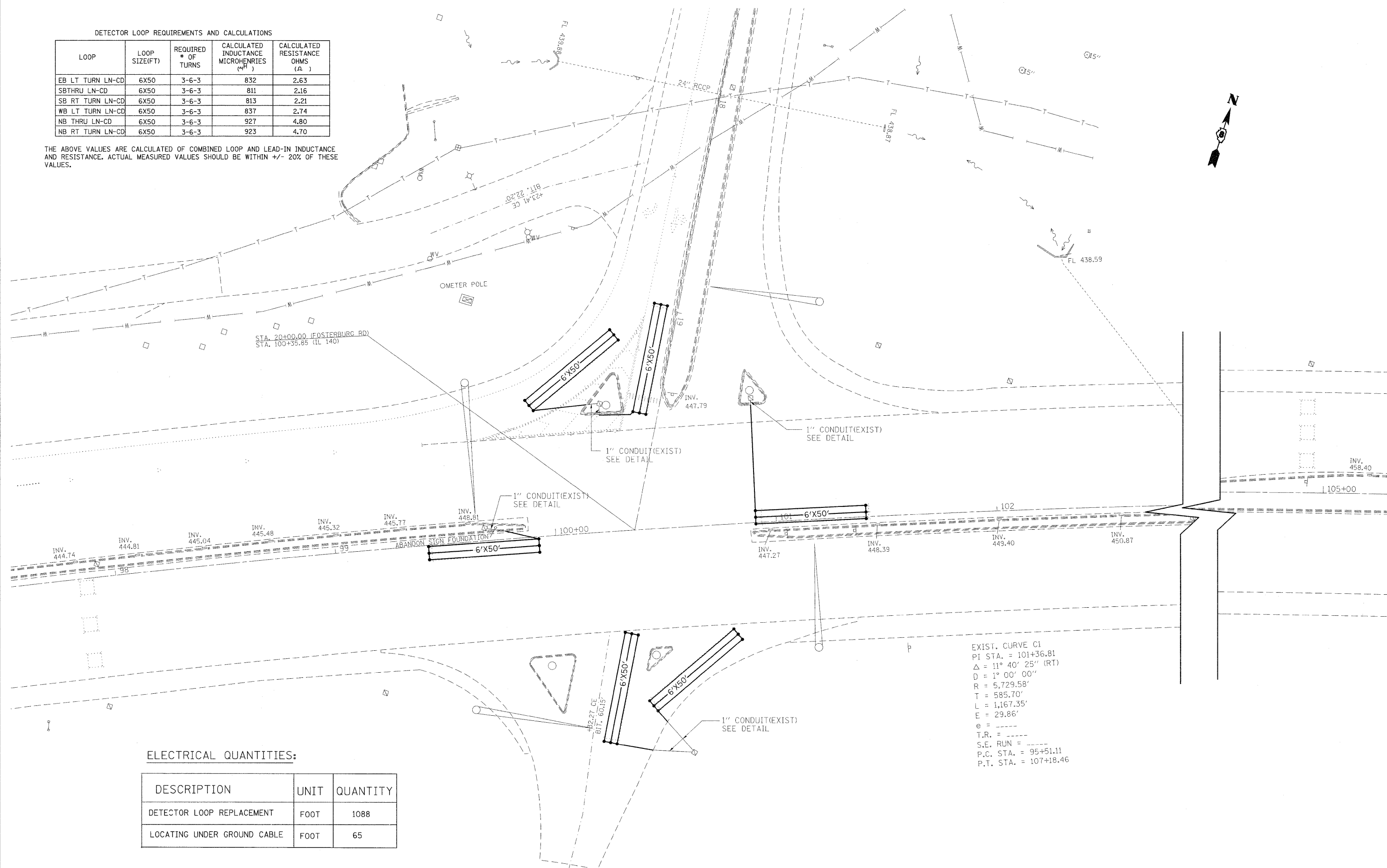


DETECTOR LOOP REQUIREMENTS AND CALCULATIONS

LOOP	LOOP SIZE(FT)	REQUIRED # OF TURNS	CALCULATED INDUCTANCE MICROHENRIES (μH)	CALCULATED RESISTANCE OHMS (Ω)
EB LT TURN LN-CD	6X50	3-6-3	832	2.63
SBTHRU LN-CD	6X50	3-6-3	811	2.16
SB RT TURN LN-CD	6X50	3-6-3	813	2.21
WB LT TURN LN-CD	6X50	3-6-3	837	2.74
NB THRU LN-CD	6X50	3-6-3	927	4.80
NB RT TURN LN-CD	6X50	3-6-3	923	4.70

THE ABOVE VALUES ARE CALCULATED OF COMBINED LOOP AND LEAD-IN INDUCTANCE AND RESISTANCE. ACTUAL MEASURED VALUES SHOULD BE WITHIN +/- 20% OF THESE VALUES.



EXIST. CURVE C1  
 PI STA. = 101+36.81  
 $\Delta = 11^\circ 40' 25''$  (RT)  
 $D = 1^\circ 00' 00''$   
 $R = 5,729.58'$   
 $T = 585.70'$   
 $L = 1,167.35'$   
 $E = 29.86'$   
 $e =$   
 $T.R. =$   
 $S.E. RUN =$   
 $P.C. STA. = 95+51.11$   
 $P.T. STA. = 107+18.46$

ELECTRICAL QUANTITIES:

DESCRIPTION	UNIT	QUANTITY
DETECTOR LOOP REPLACEMENT	FOOT	1088
LOCATING UNDER GROUND CABLE	FOOT	65